

PATENT COOPERATION TREATY

PCT



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION		See Form PCT/IPEA/416
International application No. PCT/EP2004/051311	International filing date (day/month/year) 30.06.2004	Priority date (day/month/year) 04.07.2003	
International Patent Classification (IPC) or national classification and IPC H04L29/06			
Applicant THALES et al.			

<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>7</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>3</u> sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input checked="" type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement according to Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>

Date of submission of the demand 20.04.2005	Date of completion of this report 23.09.2005
Name and mailing address of the IPEA  European Patent Office - Gitschiner Str. 103 D-10958 Berlin Tel. +49 30 25901 - 0 Fax: +49 30 25901 - 840	Authorized officer Eraso Helguera, J Telephone No. +49 30 25901-491 

Box No. I. Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b)).
 - ☐ publication of the international application (under Rule 12.4).
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3).
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

Description, pages

1-22 as originally filed

Claims, No.

1-8 received on 23.04.2005 with the letter of 20.04.2005

Drawings, sheets

1/10-10/10 as originally filed

☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages
 - ☐ the claims, Nos.
 - ☐ the drawings, sheets/figs
 - ☐ the sequence listing (*specify*):
 - ☐ any table(s) related to sequence listing (*specify*):
4. ☒ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)):
- ☐ the description, pages
 - ☒ the claims, Nos. 1-8
 - ☐ the drawings, sheets/figs
 - ☐ the sequence listing (*specify*):
 - ☐ any table(s) related to sequence listing (*specify*):

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/051311

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty	Yes:	Claims	1-8
	No:	Claims	
Inventive step	Yes:	Claims	
	No:	Claims	1-8
Industrial Applicability	Yes:	Claims	1-8
	No:	Claims	

2. Citations and explanations (Rule 70.7)

see separate sheet

Concerning point I
Basis of the opinion

The amendments filed with the international office in accordance with Article 19(1) PCT lead to the subject matter of the application being extended beyond the content of the application as filed. They consequently run counter to the provisions of Article 19(2) PCT. The amendments concerned is are the following:

Claim 1 recites that:

for a transmission of the information from the application package level to the network access level, generating useful data packets with compressed header on the basis of the packets containing the useful data and the packets containing the additional information and transmitting **the two streams thus sent** over the transmission channel.

By contrast, page 14, lines 19-28 of the description and figures 7B show that:

the packets containing the useful data and the packets containing the additional information are transmitted to the header compression module 7 which generates useful data packets with compressed header and transmits them to the channel coder 2 for sending over the channel 5 (in the case where a return channel exists or when the transmission is bidirectional) as well as the additional quantized information, which may be destined either for the channel decoder 3 or for the channel coder 2 if it exists.

Hence, according to the description, **the additional information is not sent over the transmission channel**, since the channel decoder 3 just like the channel coder 2 form part of the receiver (the channel coder 2 existing only in the case where there is a return channel from the receiver to the sender).

The report will be drafted as if these amendments had not been made (rule 70.2 c)).

PCT

RAPPORT DE RECHERCHE INTERNATIONALE

(article 18 et règles 43 et 44 du PCT)

Référence du dossier du déposant ou du mandataire 63121	POUR SUITE À DONNER		voir le formulaire PCT/ISA/220 et, le cas échéant, le point 5 ci-après.
Demande internationale n° PCT/EP2004/051311	Date du dépôt international (jour/mois/année) 30/06/2004	(Date de priorité (la plus ancienne) (jour/mois/année) 04/07/2003	
Déposant THALES			

Le présent rapport de recherche internationale, établi par l'administration chargée de la recherche internationale, est transmis au déposant conformément à l'article 18. Une copie en est transmise au Bureau international.

Ce rapport de recherche internationale comprend 3 feuilles.

☒ Il est aussi accompagné d'une copie de chaque document relatif à l'état de la technique qui y est cité.

1. Base du rapport

a. En ce qui concerne la **langue**, la recherche internationale a été effectuée sur la base de la demande internationale dans la langue dans laquelle elle a été déposée, sauf indication contraire donnée sous ce point.

☐ La recherche internationale a été effectuée sur la base d'une traduction de la demande internationale remise à l'administration chargée de la recherche internationale (règle 23.1(b)).

b. ☐ En ce qui concerne la ou les **séquences de nucléotides ou d'acides aminés** divulguées dans la demande internationale, (le cas échéant), voir le cadre n° 1.

2. ☐ Il a été estimé que certaines revendications ne pouvaient pas faire l'objet d'une recherche (voir le cadre n° II).

3. ☐ Il y a absence d'unité de l'invention (voir le cadre n° III).

4. En ce qui concerne le **titre**,

☒ le texte est approuvé tel qu'il a été remis par le déposant.

☐ le texte a été établi par l'administration chargée de la recherche internationale et a la teneur suivante:

5. En ce qui concerne l'**abrégé**,

☒ le texte est approuvé tel qu'il a été remis par le déposant.

☐ le texte, reproduit dans le cadre n° IV, a été établi par l'administration chargée de la recherche internationale conformément à la règle 38.2(b). Le déposant peut présenter des observations à l'administration chargée de la recherche internationale dans un délai d'un mois à compter de la date d'expédition du présent rapport de recherche internationale.

6. En ce qui concerne les **dessins**,

a. La figure des dessins à publier avec l'abrégé est la figure n° 2

☒ proposée par le déposant.

☐ proposée par l'administration chargée de la recherche internationale, parce que le déposant n'a pas proposé de figure.

☐ proposée par l'administration chargée de la recherche internationale, parce que cette figure caractérise mieux l'invention.

b. ☐ Aucune des figures n'est publiée avec l'abrégé.